

Abstract

5 A polymer-impregnated paper-based web for use as a medical
packaging bacteria barrier fabric is provided. The use of a particular
type of polymer emulsion as the saturant provides the effective range
of bacteria filtration while at the same time allowing the web to
maintain its enhanced strength and delamination resistance that are
required when such substrates are employed to wrap surgical trays,
surgical instruments, medical appliances and the like prior to
sterilization. The invention consists of a paper-containing medical
10 packaging substrate that has been saturated with a polymer having a
glass transition temperature of -20°C or less.